

**AGROTAIN****ULTRA**

AGROTAIN®ULTRA nitrogen stabilizer is a fertilizer additive for Urea and Urea Ammonium Nitrate (UAN) fertilizers that reduces volatility by inhibiting the activity of the urease enzyme. Not recommended for use as a fertilizer substitute.

NET weight:

Contains:

N-methyl-2-pyrrolidone (CAS No: 872-50-4)

N-(n-butyl) thiophosphoric triamide[NBPT] (CAS No: 94317-64-3)

HAZARD STATEMENTS

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May damage fertility. May damage the unborn child.

PRECAUTIONARY STATEMENTS

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing gas/mist/vapours/spray.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

Supplemental label information: Restricted to professional users.

For Chemical Emergency:

Call CHEMTRAC day or night.

USA/Canada - 1.800.424.9300

Outside USA/Canada - 1.703.527.3887

Manufacturer:**KOCH**

KOCH AGRONOMIC SERVICES, LLC

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Read the safety data sheet before using this product.

DANGER

DIRECTIONS FOR USE

WARNING: Read the entire label before use. Use only according to label directions. Before buying or using this product, read the "Warranty Disclaimer" and "Inherent Risks of Use and Limitations of Liability" at the end of the label. If terms are unacceptable, return at once unopened to place of purchase. Always wear proper personal protection (recommend long sleeves and long pants, goggles, and ANSELL EDMONT NEOX Neoprene gloves Number 9-912 or equivalent when handling the product.) Use only with adequate ventilation (large volumes of air movement). If organic vapors or dusts are present above their regulatory limits, follow a respiratory protection program that meets OSHA 1910.134 and ANZI Z88.2 or applicable federal/ state, provincial or local requirements whenever workplace conditions warrant respirator use.

GENERAL USE PRECAUTIONS

Observe all precautions on label and read material safety data sheet before use. Not recommended for feed application. Do not apply directly to water. Do not contaminate waterways and sewers during cleaning of equipment or disposal of wastes. Always adhere to applicable provisions of federal, state, provincial, and local laws and regulations.

Do not enter treated areas until spray has thoroughly dried. Keep livestock off treated areas until after 1 inch of rainfall has accumulated. Urea, which is a component in UAN, may be toxic to livestock when ingested.

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APPLICATION RATES

AGROTAIN® ULTRA nitrogen stabilizer is urea specific and may be used for any nitrogen consuming plants including row crops, specialty crops, pastures, sod farms, turfgrass, ornamentals and other landscape and nursery plantings. This product is recommended for surface application of urea and urea containing fertilizers such as pre-plant, pre-emergence, sidedress, top-dress, broadcast or other post-planting applications. The benefits of AGROTAIN® ULTRA stabilizer as a urease inhibitor are a result of its ability to retard the hydrolysis of urea and control volatility, preventing ammonia loss while the urea is on the soil surface.

Many factors in the environment contribute to volatilization. The factors increasing volatilization that should be considered when choosing the appropriate rate include:

1. High soil moisture
2. Drying conditions including low humidity, sun and wind
3. High air and soil temperatures
4. High pH soils
5. Low organic matter and lower CEC soils
6. High amounts of crop residue
7. Length of control needed

AGROTAIN® ULTRA NITROGEN STABILIZER USE RATE CHART

26.7% by weight active ingredient solution.

Urea	3.0 Quarts/Ton
UAN	1.5 Quarts/Ton

When conditions favoring volatility exist, or when longer control is needed, the rate may be increased by 1 qt/ton.

FOR BLENDING ON UREA

Equipment Required

- An accurate scale to weigh materials.
- A fertilizer blender or other equipment suitable for rolling or blending the urea particles with AGROTAIN® ULTRA stabilizer.

A rotary device that can tumble the urea and allow for uniform contact with the product without spillage is appropriate. Auger and paddle mixers may also be used. Exposed inner surfaces should be clean, dry and rust-free.

Procedure

1. Wear proper personal protection which is long sleeves and long pants, goggles, and ANSELL EDMONT NEOX Neoprene gloves Number 9-912 or equivalent.
2. Use only with adequate ventilation with large volumes of air movement. If used with inadequate ventilation respiratory protection is required.
3. Weigh the urea and transfer into the mixing or blending equipment.
4. Measure the desired quantity of AGROTAIN® ULTRA stabilizer.
5. Apply the product to the urea in the blender. Blend well before introducing other fertilizer materials and allowing adequate time for uniform coverage. A dye is included in the product to assist in evaluating the uniformity of coverage.
6. Under certain temperature and humidity conditions urea blended with the product may stick together. Often the addition of other fertilizer materials to the blender, such as potash, will eliminate the need to add a drying agent. If the particles remain sticky, add small amounts of finely ground, highly absorbent, free-flowing powders such as attapulgite clays at concentrations as low as 0.25% by weight of the treated urea. Storage after blending

Granular dry urea treated with AGROTAIN® ULTRA stabilizer is suitable for long-term storage in sealed plastic bags. Research shows stabilized fertilizer packaged in sealed plastic bags may be stored 9 months between 19 degrees and 25 degrees C.

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FOR MIXING WITH UREA-AMMONIUM NITRATE (UAN) SOLUTIONS

Procedure

1. Wear proper personal protection which is long sleeves and long pants, goggles, and ANSELL EDMONT NEOX Neoprene gloves Number 9-912 or equivalent.
2. Use only with adequate ventilation with large volumes of air movement. If used with inadequate ventilation respiratory protection is required.
3. Fill the spray tank half full with UAN solution.
4. Add the product to the UAN solution and mix thoroughly by agitation prior to adding pesticides or surfactants.
5. With agitators on, add the appropriate amount of AGROTAIN® UTLRA nitrogen stabilizer for the desired concentration in the full volume.
6. Mix well and then add the remainder of the UAN solution.
7. Use blended UAN solution soon after mixing. If necessary, UAN treated with this product may be stored up to 10 weeks.

Compatibility

Some testing has been conducted to assess the stability and compatibility of AGROTAIN® ULTRA nitrogen stabilizer with certain herbicides and adjuvants. Test results show that the rate of the degradation should not preclude the use of this product with most commonly used agricultural herbicides under normal use. Most agricultural chemicals compatible with UAN solutions are also compatible with this product. However, compatibility tests prior to use are recommended. Glyphosate herbicides may cause an increase in the rate of degradation when tank mixed with AGROTAIN® ULTRA nitrogen stabilizer. Therefore such mix should be applied soon after mixing to avoid a possible reduction in the effectiveness of the active ingredient.

